



#7A  
5-7-03  
M.P.A.

13DV-14056  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Koshoffer et al. :  
Serial No.: 10/026,162 : Art Unit: 3746  
Filed: December 21, 2001 : Examiner: Koczo Jr., Michael  
For: Methods and Apparatus for :  
Operating Gas Turbine Engines :

AMENDMENT

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MAY 06 2003

TECHNOLOGY CENTER R3700

Hon. Commissioner for Patents  
Box NON-FEE AMENDMENT  
Washington, D.C. 20231

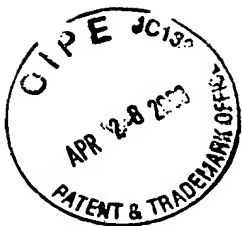
Sir:

In response to the Office Action dated February 7, 2003, please amend the above-identified patent application as follows:

IN THE SPECIFICATION

Please delete paragraph [0009] beginning on page 2 and ending on page 3, and replace with the following replacement paragraph:

a1  
[0009] Figure 1 is a cross-sectional side view of a gas turbine turbofan engine 10 including a pulse detonation system 12 in a first mode of engine operation. Figure 2 is an enlarged partial cross-sectional side view of engine 10 in a second mode of engine operation. In one embodiment, engine 10 is an F110 engine and is available from General Electric Aircraft Engines, Cincinnati, Ohio. Engine 10 has a generally longitudinally extending axis or centerline



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**CERTIFICATE OF MAILING BY EXPRESS MAIL TO  
THE COMMISSIONER OF PATENTS AND TRADEMARKS**

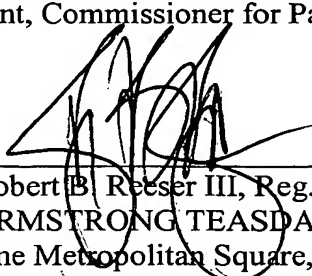
Express Mail mailing label number: EV 263877497 US

Date of Mailing: April 28, 2003

I certify that the documents listed below:

- Amendment Transmittal form (3 pgs.), in duplicate
- Amendment in response to Office Action dated February 7, 2003 (9 pgs.)
- Submission of Marked Up Specification and Claims (4 pgs.)
- Return Post Card

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above in an envelope addressed to: Box: Non-Fee Amendment, Commissioner for Patents, Washington, D.C. 20231-0001.

  
Robert B. Reiser III, Reg. No. 45,548  
ARMSTRONG TEASDALE LLP  
One Metropolitan Square, Suite 2600  
St. Louis, MO 63102-2740  
(314) 621-5070



04-29-03

GP 3746

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TRANSMITTAL

1. Transmitted herewith is:

**Amendment in response to the Office Action dated February 7, 2003 ( 9 pgs.);  
Submission of Marked Up Specification and Claims (4 pgs.); Certificate of  
Express Mail (1 pg.); Return Post Card**

STATUS

2. Applicant

☒ Claims small entity status.  
☐ is other than a small entity.

CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is, on the date shown below, being:

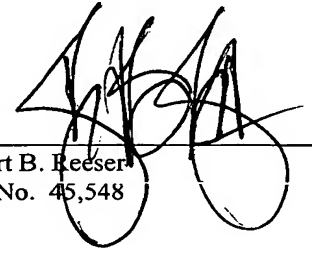
MAILING

☒ deposited with the United States Postal Service with sufficient postage as "Express Mail Post Office to Addressee" in an envelope addressed to: Box: Non-Fee Amendment, Commissioner for Patents, Washington, D.C. 20231, Express Mail No. EV 263877497 US

Date: April 28, 2003

FACSIMILE

Transmitted by facsimile to the Patent and Trademark Office

  
Robert B. Reeser  
Reg. No. 45,548



## EXTENSION OF TERM

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MAY 06 2003

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3. The proceedings herein are for a patent application and the provisions of 37 C.F.R. 1.136 apply.

(complete (a) or (b), as applicable)

- (a) \_\_\_\_\_ Applicant petitions for an extension of time under 37 C.F.R. 1.136  
(Fees: 37 C.F.R. 1.17(a)-(d) for the total number of months checked below:)

Extension for response within:	Other than small entity Fee	Small entity Fee (if applicable)
_____ first month	\$ 110.00	\$ 55.00
_____ Second month	\$ 410.00	\$ 205.00
_____ Third month	\$ 930.00	\$ 465.00
_____ Fourth month	\$1,450.00	\$ 725.00
_____ fifth month	\$1,970.00	\$ 985.00

Fee: \$ \_\_\_\_\_

If an additional extension of time is required, please consider this a petition therefor.

(Check and complete the next item, if applicable)

\_\_\_\_\_ An extension of \_\_\_\_\_ months has already been secured. The fee paid therefor \$\_\_\_\_\_ Is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$

OR

- (b) ☒ Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

## FEE FOR CLAIMS

4. The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

	(Col. 1) CLAIMS REMAINING AFTER AMENDMENT		(Col. 2) HIGHEST NO. PREVIOUSLY PAID FOR	(Col. 3) PRESENT EXTRA	SMALL ENTITY ADDITIONAL RATE FEE	OR	OTHER THAN SMALL ENTITY ADDITIONAL RATE FEE
TOTAL		MINUS		=	x \$9 = \$		x \$18 = \$
INDEP.		MINUS		=	x \$42 = \$		x \$84 = \$
___ FIRST PRESENTATION OF MULTIPLE DEP. CLAIM					+ \$130 = \$		+ \$280 = \$
					TOTAL ADDITIONAL FEE \$	OR	TOTAL ADDITIONAL FEE \$

- (a) ☒ No additional fee for claims is required.

OR

- (b) \_\_\_ Total additional fee for claims required \$

## FEE PAYMENT

5. \_\_\_ Attached is a check in the sum of \$\_\_\_  
 \_\_\_ Charge Deposit Account No. 01-2384 the sum of \$  
 \_\_\_ A duplicate of this transmittal is attached.

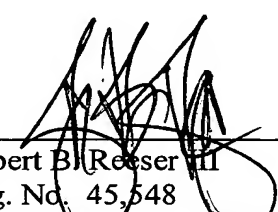
## FEE DEFICIENCY

6. ☒ If any additional extension and/or fee is required, charge Deposit Account No. 01-2384.

AND/OR

- ☒ If any additional fee for claims is required, charge Deposit Account No. 01-2384.

7. \_\_\_ Other:  
 \_\_\_

  
 Robert B. Reiser III  
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